



Docket No.: 1186.1019

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Susumu TAKAHASHI, et al.

Serial No. 09/942,731

Group Art Unit: Unassigned

Confirmation No. 8415

Filed: August 31, 2001

Examiner: Unassigned

For: OPTICAL FILM USING DIFFRACTION GRATING AND DISPLAY DEVICE USING THE SAME

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to the examination of the above-identified application, the following amendments and remarks are respectfully submitted. Reconsideration of the claims is respectfully requested.

IN THE SPECIFICATION:

Please REPLACE the paragraph beginning at page 9, lines 9-17 with the following paragraph:

According to another aspect of the present invention, there is provided a display device comprising a liquid crystal display layer which forms an image to be displayed; and a light transmission optical film which is arranged on a front surface of the liquid crystal display layer and comprises diffraction grating cells arranged in a matrix, each cell comprising curved gratings, wherein said gratings are arranged by at least two pitches.

IN THE CLAIMS:

Please CANCEL claims 29, 44 and 55 without prejudice or disclaimer.

Please REPLACE claim 52 with the following:

52. A display device comprising:

a liquid crystal display layer which forms an image to be displayed; and

a light transmission optical film which is arranged on a front surface of the liquid crystal display layer and comprises diffraction grating cells arranged in a matrix, each cell comprising curved gratings, where said gratings are arranged by at least two pitches.

REMARKS

In accordance with the foregoing, the specification and claim 52 have been amended. Claims 29, 44, and 55 have been cancelled. Claims 1-28, 30-43, 45-54 and 56-60 are pending and under consideration.

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

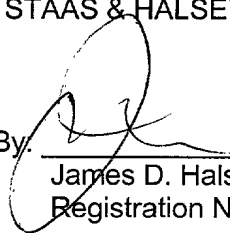
Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: 12/4/01

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VERSION WITH MARKINGS TO SHOW CHANGES MADE**IN THE SPECIFICATION:**

Please AMEND the paragraph beginning at page 9, lines 9-17, as follows:

According to another aspect of the present invention, there is provided a display device comprising a liquid crystal display layer which forms an image to be displayed; and a light transmission optical film which is arranged on a front surface of the liquid crystal display layer and comprises diffraction grating cells arranged in a matrix, each cell comprising [blazed type or binary type] curved gratings, wherein said gratings are arranged by at least two pitches.

IN THE CLAIMS:

Please CANCEL claims 29, 44, and 55 without prejudice or disclaimer.

Please AMEND the following claims:

52. (Amended) A display device comprising:

a liquid crystal display layer which forms an image to be displayed; and

a light transmission optical film which is arranged on a front surface of the liquid crystal display layer and comprises diffraction grating cells arranged in a matrix, each cell comprising [brazed type or binary type] curved gratings, where said gratings are arranged by at least two pitches.